

1 England.

2 And I'm particularly pleased to welcome
3 Commissioner Powell of the FCC and Commissioner Perlman of
4 the State of Texas to our six-state region.

5 We have a crowded panel today. We have seven
6 people, and so I'm going to ask everyone to speak quickly
7 and succinctly.

8 I'd like to have a lot of dialogue afterwards,
9 some lively interchange, and I'll be encouraging that.

10 The seven speakers we have are Debra Martinez of
11 the New York State Consumer Protection Board, Dr. David
12 Bonner of the Adirondack project, Roderick Ansley of the
13 Oxford County MMDS Trial, Christa Proper of Richmond
14 Telecom, Dr. Kenneth Gordon of the NERA, Dr. Michel Guite of
15 Vermont Telephone, and Maine State Senator Marge Kilkelly
16 from the Mid-Coast Region.

17 The topic is Rural Success Stories & Challenges.

18 And in New England we have six states, three of
19 which are very rural and three more which have some rural
20 areas to them.

21 We're all very familiar with getting broadband to
22 the rural areas and that's why we think this panel will be
23 useful for the FCC and the Joint Board.

24 And with that, I'd like turn this over to Debra
25 Martinez.

1 MS. DEBRA MARTINEZ: Thank you.

2 Thank you for the opportunity to share New York
3 State's initiative to expand the deployment of advance
4 telecommunications services in rural areas.

5 The New York State Consumer Protection Board is an
6 executive agency charged by Governor George Pataki with
7 representing all consumers in the everchanging economy.

8 We represent consumers, including rural
9 businesses, residence and farmers before the Federal
10 Communications Commission and New York State Public Service
11 Commission with strong and clear policy direction from our
12 Governor, New York State government believes that consumers
13 are best served by open and competitive markets. In a
14 recent illustration of New York's commitment to competition,
15 the New York State Public Service Commission worked closely
16 with Bell Atlantic to open the company's local telephone
17 market to competition as quickly as possible.

18 Since Bell Atlantic serves about 90 percent of
19 access lines in the New York State, this was a formidable
20 undertaking. As you are aware, the Federal Communications
21 Commission determined late last year that Bell Atlantic's
22 local telephone market in New York State was open to
23 competition.

24 New York State regulators are also working to set
25 a precedent by opening the market of New York's independent

1 telephone companies. However, if the marketplace does not
2 provide sufficient consumer benefits, government
3 intervention may be appropriate. Such action has already
4 been required in certain rural areas of this state.

5 Such action has already been required in certain
6 rural areas of the state. New York State is commonly
7 perceived as urban, but in fact about 80 percent of the land
8 area and 18 percent of the state's population qualify as
9 rural.

10 Access to advanced telecommunications in rural
11 areas is very important. It helps communities attract and
12 retain jobs, and is especially important for businesses that
13 depend on E-commerce. It is also important for community
14 access to education, job training and health care.

15 I have several examples to share with you today
16 where the marketplace is providing advanced
17 telecommunication services in rural areas of New York State.

18 First, Bell Atlantic spends more than \$30 million
19 annually on fiber cable, advanced network architectures like
20 SONET, the advanced data platforms like ATM and frame relay
21 in New York's rural areas.

22 Second, Citizens Telecommunications of New York,
23 which serves predominately rural areas, provides advanced
24 telecommunications services to facilitate customized
25 distance learning arrangements with 27 schools in New York

1 State.

2 It also has a 100-percent digital network and is
3 offering advanced services, such as frame relay, digital
4 subscriber line or DSL.

5 Third, Cable operators in New York are also
6 upgrading their infrastructure to permit the delivery of
7 high-speed internet access, telephone services and digital
8 television. By March 2001, approximately 94 percent of the
9 homes served by cable, including those in rural areas, will
10 be able to access the internet using cable modem service.

11 In addition to these promising initiatives, New
12 York State has taken direct government action to accelerate
13 the deployment of advanced telecommunications services in
14 rural areas of New York.

15 For example, under the advanced telecommunications
16 diffusion program, \$50 million has been spent on advanced
17 telecommunications projects since 1995, as part of an
18 overall regulatory plan for Bell Atlantic's operations.

19 The diffusion brings advanced telecommunications
20 services to areas of the state that would not receive these
21 services in the near future if deployment were to be driven
22 exclusively by market forces. Economically disadvantaged
23 areas have been the beneficiaries of all diffusion program
24 projects, and 20 percent of these program funds, or a total
25 of \$10 million, has been infused directly into rural areas.

1 Diffusion program funding is provided to schools,
2 libraries, hospitals, community centers, small businesses
3 and not-for-profit organizations. Over 20 advanced
4 telecommunications projects throughout New York State have
5 been constructed or will be built by the end of this year,
6 including seven that are in rural areas. These rural
7 projects provide exciting new advanced telecommunications
8 capabilities, including distance learning, vocational
9 training, telemedicine, job development, high-speed
10 internet access and more.

11 In all instances, the projects brought together
12 diverse groups, seeking to make use of a variety of
13 applications. One of the most successful of the rural
14 projects already in place in New York State is the
15 Adirondack Area Network, which Dr. David Bonner will discuss
16 in detail.

17 In addition, Frontier Telephone of Rochester, the
18 state's second largest telephone company, will provide
19 access to a limited number of DSL lines at no charge to
20 non-for-profit organizations and charities in rural areas as
21 part of an overall regulatory plan.

22 At the recommendation of the New York State
23 Consumer Protection Board, Frontier Telephone also agreed to
24 provide DSL service of 30 of its central offices that are
25 situated in rural portions of the their service territory.

1 Overall, there are many advance telecommunications success
2 stories to tell in New York State.

3 New York's telephone service providers and policy
4 makers have met the challenge of accelerating the deployment
5 of advanced telecommunications services all across the vast
6 Empire State.

7 With the success of these market-driven and
8 regulatory initiatives, individually and collectively,
9 consumers will continue to enjoy greater access to advance
10 telecommunications services in New York's rural areas.

11 To this end, literally hundreds of thousands of
12 New Yorkers have been provided with access to advanced
13 telecommunications services.

14 I greatly appreciate the interest and efforts of
15 Commissioner Powell, Texas Public Utility Commissioner
16 Perlman and other members of the FCC, Section 706 Joint
17 Board, as well as my colleagues on this and other panels.

18 I also thank and commend New York Governor George
19 Pataki for his leadership and foresight in making New York's
20 rural service delivery effort so very successful.

21 And now I am privileged to present Dr. David
22 Bonner of the Adirondack Area Network to explain his
23 wonderful success story.

24 THE HONORABLE JACK R. GOLDBERG: Dr. Bonner,
25 please.

1 DOCTOR DAVID BONNER: Thank you, Debra.

2 As Debra mentioned, we were one of the first
3 diffusion projects. We were awarded \$1.38 million in 1994
4 to start the Adirondack Area Network.

5 Jackie, if you could hit the next slide, please?

6 The Adirondack Area Network, what I thought I'd do
7 is take you through a historical perspective.

8 Much like the previous panel, the Adirondack Area
9 Network strongly believed that if we could aggregate end
10 users, that we would have a very good chance.

11 The area that we're talking about is Upstate New
12 York. It goes all the way to the Canadian border. It's a
13 rather large rural area. This is taken from Downtown Lake
14 Placid, to give you idea, right from the back of Lake
15 Placid, if you've ever been there.

16 FROM THE AUDIENCE: In July, right?

17 DOCTOR DAVID BONNER: Yes, in July, right.

18 (Laughter.)

19 DOCTOR DAVID BONNER: Next slide, Jackie.

20 The Adirondack Area Network is a consortium of
21 several different types of institutions. We faced many of
22 the same challenges that you all face here today, trying to
23 develop a rural network.

24 And much like the last panel, we decided that
25 there's strength in numbers, so in our mission statement we

1 decided to form a 501(c)(3) not-for-profit organization and
2 used the leveraging power that you heard about in the last
3 section.

4 So, for example, we have high schools, colleges,
5 public schools, health care facilities, government offices,
6 all sorts of community organizations. So whatever you think
7 of in a small village, we tried to incorporate into this
8 network.

9 One of the main ideas that we wanted to do was
10 not just bring internet.

11 We heard in the previous panel, again, an intranet
12 is what we really needed. So we needed to be able to handle
13 voice, video and data.

14 Furthermore, if you look in some of these rural
15 areas, the end users aren't quite sure how to do this. So
16 we had to have a 501(C)(3), which would watch after the
17 actual technology and the research and development that
18 needed to be done and the partnerships that needed to be
19 formed, hence, we started the not-for-profit organization.

20 What kind of outcomes did we wish to achieve and
21 did we achieve?

22 Well, obviously, everybody want internet con
23 (phonetic) activity. That's top on everyone's list.

24 Links to libraries.

25 Distance learning was a big ticket item, because

1 we are in such a rural area.

2 Telemedicine. I'm looking at some of our original
3 statistics. In the land area of a thousand square miles, we
4 had one hospital. That's in one county. I could go right
5 down the list. You could check the statistics yourself.

6 Telemedicine was a must to have in the area to
7 link up to large urban centers, such as Albany, New York,
8 Syracuse and other big cities in New York State.

9 Conferencing, in general, for all types of
10 purposes. This could be in a business setting, whatever.

11 Data exchange. It is an internet, so the
12 different institutions can combine and do land-to-land type
13 connections, as well.

14 E-mail con activity.

15 Teleradiology is a big ticket item.

16 Canned video serves -- this is kind of a store and
17 forward type of service, so you see a live interactive
18 distance learning, your telemedicine program, and then later
19 on it'll be archived, much like this program, when we get a
20 tape of this, it'll be archived and you can hit it on-line.

21 Voice over IP. A lot of the areas for disaster
22 recovery, on voice, we had the big ice storm, as the other
23 states in this area suffered, the voice over IP is an
24 alternative to the public teleco, as well as cutting cost on
25 long-distance.

1 And network security. One thing that I haven't
2 heard mentioned here, in general, is on these internets, who
3 is going to do the HIPA (phonetic) regulations, who is going
4 to take care of network security and those types of issues?

5 So as part of our 501(c)(3), we decided to
6 actually add in security, as well.

7 What kind of members do we have?

8 Well, we have medical centers, obviously, higher
9 education, legal services are on the network, as well.

10 Cultural agencies.

11 Government agencies.

12 Community organizations, in general.

13 We're just now starting to get small businesses.
14 Small businesses are very difficult to bring into the loop.

15 K through 12s, an open market activity.

16 And what I don't see there, I missed. We just
17 recently had a tribal community that came on, the St. Regis
18 Mohawk Tribe.

19 This shot is taken in one of the operating rooms
20 of Albany Medical Center. It was for an on-line surgery
21 where a fiberoptic camera was put inside of, in fact, my
22 body, I did the signaling for this operation the night
23 before my operation, for a triple hernia.

24 On-line, live, there were seven institutions that
25 were able to watch. So one of the big things is on-line

1 surgeries.

2 Medical research. In fact, this project was a
3 medical research project.

4 Radiology.

5 Grand rounds.

6 Administrative type meetings.

7 Remote patient visits. So from one of these
8 hospitals that I just mentioned, if a patient gets shipped
9 to another hospital, patient to family can visit over it.

10 The HIV program.

11 I mentioned disaster recovery.

12 Continuing medical education.

13 Remote diagnostics.

14 Community program. The mini-meds are very popular
15 right now. The community can come in and watch from the
16 various hospitals the grand rounds for the public.

17 Medical consultants.

18 And the DOCS, the Department of Corrections, are
19 also starting to use the system.

20 Go ahead, Jackie.

21 In the educational field, you see to store and
22 forward videos that were from the Indianapolis Zoo.

23 Remote teacher training.

24 Materials distribution for the teachers turned out
25 to be very important, because a lot of the teachers didn't

1 understand exactly what they would do.

2 Advanced placement programs.

3 Distance education.

4 Conferencing.

5 Administrative meetings.

6 Store and forward video, just as you see here.

7 Internet con activity.

8 And security of video.

9 Actually, from one school to the next school, you

10 can actually archive and store the video within the school,

11 hallways and whatnot.

12 This is a diagram that we used. It's an ATM frame

13 relay core.

14 And on the edge, as you'll notice in the top site,

15 you might have a site that may not have satellite, may not

16 have ISDN, may not have many services. It's back hauled out

17 of the NARC (phonetic) in Albany, New York.

18 So the frame relay lines, when they want to dial

19 to get out, to the ISDN, they must dial 9-1 and the area

20 code and go.

21 But all point-to-point calls on the network are

22 free, absolutely free. So if they make a point-to-point

23 call from one institution to the next institution, there's

24 no by-the-minute charge.

25 I'd like to just end with a couple of the

1 successes and failures.

2 One that we've heard about a lot here is diversity
3 breeds stability.

4 Instead of trying to make a higher ed network or a
5 medical network or a community where it's one type, what we
6 did is we combined all the different types of institutions.

7 What we've really seen is a lot of interest, for
8 example, the on-line surgery being broadcast to the K
9 through 12 institutions. There's a lot of cross
10 disciplinary work that's turned out to be very important,
11 which we didn't anticipate. It was a pleasant surprise.

12 The resource sharing -- in general, we heard about
13 aggregation in the previous panel. I have to echo that,
14 again. The resource sharing is highly important. Not one
15 group of institutions, even much less one institution could
16 have pulled off what we did aggregating and combining our
17 resources.

18 The breakthrough from H.323. and voice over, voice
19 over IP, voice over frame relay and voice over ATM, happened
20 in a timely fashion for us, because we went with a frame
21 relay network.

22 Distributed technologies. There's very little
23 hope in my mind to outfit every part in the rural areas with
24 ADSL or SDSL or ISDN. And all we have to do is look
25 historically. ISDN has been around for years and years and

1 years, but we do not have ISDN in many areas of the United
2 States.

3 So with that in mind, I would like to say, it
4 might make more sense to try and backfill some of these
5 through an ATM or frame relay network.

6 You can get frame relay anywhere in New York
7 State, now, through the efforts of Bell Atlantic and other
8 carriers.

9 We were able, also, to take the mileage rates out
10 of the frame relay tariffs. This helped tremendously. We
11 heard about the bargaining prices and they are very much the
12 same as what they were in Massachusetts and Maine.

13 The Tribe (phonetic), for example, was \$2500 a
14 month when we started the project. That's the quote that
15 we're given. We got the local loop down in the \$600 range,
16 which is less than most areas in the New York State region.

17 This little pun here about ISDN, ISDN is very
18 problematic. I can't imagine that a rural institution is
19 going to actually keep ISDN up. Our rural networks do have
20 ISDN. Every one of our rural sites has ISDN available to
21 them. As I say, the ISDN is centralized.

22 Go ahead, Jackie.

23 Some of the failures.

24 Expensive LATA crossings. I would love to connect
25 up with the projects that were here in the previous panel,

1 but going across LATA and across state is problematic and
2 expensive by all carriers.

3 The -- crossings, in general, as well,
4 technologically poor.

5 One of the things that I was surprised that nobody
6 mentioned through the day is what we're finding is the
7 learning curve at the end-user sites, the -- technology,
8 it's all there. But the actual sites, they're given
9 brand-new sets of equipment and things, how do you actually
10 run it? How do you actually use it? What's the learning
11 curve on getting established?

12 In the lands, as well. Many of these institutions
13 didn't have local area networks. Now all of a sudden E-rate
14 kicks in, all these different types of funding capabilities
15 kick in, and we don't have these rates.

16 Carrier problems are still a nightmare. I don't
17 care which two carriers you're trying to go between, and you
18 must go between them. Every time it's a new design. Every
19 time it's a new story. Every time it's matching up
20 technologies that don't quite meet in the middle.

21 And we also talked about portability.

22 This picture is a picture taken in Guatemala,
23 Guatemala had us down. They studied the Adirondack area and
24 the Country of Guatemala and wanted to import the entire
25 model to the Country of Guatemala.

1 Thank you.

2 THE HONORABLE JACK R. GOLDBERG: Thank you.

3 Dr. Bonner, your dedication to this area is awe
4 inspiring, actually having your operation viewed like this.

5 For the people who don't understand why New York
6 is part of this panel for New England, I'd like to say that
7 we have a community of interest with New York. But just to
8 make this legal, by the power invested in me, I hereby
9 declare New York as part of New England for today only.

10 (Laughter.)

11 THE HONORABLE JACK R. GOLDBERG: And now, Roderick
12 Ansley for the Oxford Telecom MMDS Trial.

13 MR. RODERICK N. ANSLEY: Okay, thank you.

14 I'd like to take my time to acquaint you quickly
15 with Oxford Telecom, and talk to you a bit about some of the
16 partnerships that we have, that we're engaged in with some
17 of our peer telephone companies in New England. But the
18 main thing I'm going to discuss with you is our MMDS
19 wireless venture into Portland, Maine, and I'll make a
20 comment about that, first.

21 It says on my name tag here that this is a trial.
22 We have invested two years of our company's earnings in
23 this, so I don't think we can call it a trial. I think
24 we're pretty committed to it.

25 Oxford Telecom is an independent telephone company

1 that serves 14,000 lines in Western Maine, and we serve
2 those lines over about a thousand square miles. So, yes,
3 that equates to 14 lines per square mile, which is pretty
4 sparse.

5 We have about 80 employees, so we're a pretty
6 small company. We are also in the internet service
7 business. We have an internet service provider called
8 Megalink, and we serve about 9,000 customers in Western and
9 Southern Maine.

10 We're engaged in a couple of partnerships that are
11 particularly critical to our success in the future. One is
12 a business that we call NeCAP. It's not an underworld
13 business. It's a business that really means New England
14 comparative answers provider, and there are four other
15 telephone companies in New England that are partners with
16 us, and we're joining our networks and building some fiber
17 to link our networks together, to provide a network
18 throughout all of Maine, connecting all of the population
19 centers together.

20 We're also engaged in an information systems
21 partnership with two other telephone companies in New
22 England.

23 As a speaker this morning mentioned, billing and
24 informations systems infrastructures are a critical barrier
25 for companies like ours, regardless of size.

1 So a company of our size, with our limited
2 resources, finds it almost impossible to create the kinds of
3 information systems that we need, so we're coupling up with
4 a couple of other companies that are highly bigger than us,
5 but nevertheless we can do more as three than we can with
6 one.

7 I'm going to talk for a couple of minutes about
8 our MMDS fixed wireless network in Portland.

9 And, by the way, we are at the very earliest
10 stages of deploying this network.

11 Only three weeks ago, we mounted our antenna on
12 top of building on Congress Street in Portland. We don't
13 have any customers yet. The network isn't even turned on
14 yet. We don't have final FCC approval for our license, but
15 that's pending, literally any day now.

16 We're working on site surveys with customers,
17 which means that we're doing some, at least, looking between
18 buildings to tell if we have the line of sight that's
19 required to connect a customer site with our antenna.

20 Our antenna is in a great spot. It's one of the
21 highest points in the area. It's on what I think is the
22 second tallest building in Portland.

23 We expect to have our first customers next month.
24 The technology is almost ready to go, the license is almost
25 ready to go, and we have customers almost ready to go, so

1 things are lining up.

2 We expect the business to be profitable in about
3 two years. Our break-even point, we think, is between two-
4 and three-hundred customers, so it's not a small customer
5 business, it's a medium size business kind of organization,
6 but we have a batch of simple products.

7 Our niche in the market is to offer a simple
8 approach to broadband. We allow for 12 products that range
9 from 256 kilobit access to 10 megabit, with 12 increments
10 along the way; 256, 512, it goes up for about -- it doubles
11 until it gets to about 3 meg, and then we go up in full meg
12 increments from there.

13 We provide a couple of -- we will provide one
14 additional service in about a year. We think that voice
15 over IP will be reliable in about a year. And we will
16 provide, of course, right from the beginning, internet
17 access.

18 So really we have a product that connects
19 point-to-point, point-to-multipoint and point-to-internet.
20 It's that simple.

21 Our early customer feedback is that they're
22 interested in doing business with us because they see it as
23 a totally redundant network. It has nothing in common with
24 any other network in Portland.

25 We also will offer unique bandwidths, so that our

1 products meet more specifically the needs of the customer.

2 The technology, the fixed wireless technology,
3 allows us to do some things a little differently. And this
4 is what attracted us to this particular type of technology
5 in the first place.

6 It allows us to do things very simply and very
7 flexibly.

8 What that means is, and this is our mission, we
9 provide data circuits that operate as fast as customers want
10 them to operate, we install them as fast as customers want
11 them installed, and we respond to service requests as fast
12 as customers want us to respond.

13 I won't talk any more about MMDS, but I'll leave
14 it open to questions.

15 I hope I've given you enough information to
16 stimulate your imagination so that you have some good
17 questions at the end.

18 One minute on DSL.

19 I mentioned that we're a very rural telephone
20 company with 14 customers per square mile. About half of
21 our central offices, which means about 7 of our 14 central
22 offices are equipped with DSL. We're proud to say that we
23 have all of 50 customers. So we're not getting much revenue
24 for our investment so far, but it costs us about \$10,000 per
25 central office, to equip it with DSL.

1 So it's not a huge amount of money, but we do have
2 \$70,000 invested so far in DSL.

3 Okay, thanks.

4 THE HONORABLE JACK R. GOLDBERG: Thank you.

5 There's a small telephone company in the corners
6 of Massachusetts called Richmond Telephone -- Telecom.

7 Christa Proper is here. She's taking the wrench
8 out of her back pocket and she's going to give us a few
9 minutes on what she does and what her challenges are as a
10 rural telephone company.

11 MS. CHRISTA M. PROPER: Thank you.

12 I'd like to thank Commissioner Eisenberg for the
13 invitation to participate on the panel as a small
14 independent. We appreciate any opportunity that we get to
15 be able to speak on our success story.

16 Richmond Telephone Company is living proof of a
17 rural success story. Like many other rural TelCos around
18 the United States, Richmond was founded in the early 1900s
19 by a group of citizens who wanted to take advantage of new
20 technology, but couldn't get anyone to provide it in their
21 remote, sparsely populated area.

22 Nearly 100 years later, the geography hasn't
23 changed much, but the population has become a lot more
24 savvy. Richmond not only continues to remain one of two
25 independently family-owned telephone companies left in the

1 State of Massachusetts, but it also boasts a customer base
2 that can trace its local roots back to the days when the
3 company was formed.

4 Side by side, newcomers now use Richmond Telephone
5 to run businesses from their homes, linked to the internet
6 and telecommunity to the Western Coast from this tiny
7 Western Massachusetts town.

8 Ironically, not only has the company survived,
9 it's thrived. Over the years the company's owners have
10 continued to invest in more advanced facilities and
11 technology, providing services that its 1200 subscribers
12 have demanded, while maintaining a strong grip on its
13 best-known offerings, superior customer service.

14 With a 12-page local phone book and a monthly rate
15 of \$12.50, Richmond Telephone is considered by many to be
16 the best value in town.

17 In 1999, after significant research, Richmond
18 Telephone decided to take its goal of being a full-service
19 telecommunications provider to another level.

20 Based on customer feedback and market research, it
21 was determined that Berkshire County was ready for some
22 competition in the telecommunications market.

23 On January 13th of this year, Richmond Networks, a
24 competitive local exchange carrier affiliated with Richmond
25 Telephone, was launched. Based in nearby Pittsfield,

1 Richmond Networks began offering local, long-distance and
2 internet services to the surrounding area, going
3 head-to-head with the primary provider in the area, Bell
4 Atlantic.

5 Thanks to the landmark 1996 Telecommunications
6 Act, Richmond Telephone was able to branch out and expand
7 its services to a market they felt was in need of an
8 alternate service for both residential and business
9 customers.

10 Strong links for Richmond Networks include
11 competitive pricing in an attractive packaging of services,
12 compounded by the fact that the company is a local business,
13 active in the Berkshire County economic development arena.

14 While the expansion has been a calculated business
15 decision for the company, it has also been well-received.
16 In part, because Richmond is such a key player in the local
17 business community.

18 As a result, Richmond Networks offers a very local
19 means of doing business in an often confusing industry. In
20 these days of cutthroat competition, direct mailings and
21 telemarketing by companies from around the country, Richmond
22 has found success in selling its services from neighbor to
23 neighbor.

24 Business and residents actually know the company's
25 employees. They are visible in the community, serve on the

1 same boards and organizations, shop in the same stores.
2 Capitalizing on that familiarity has been a key cornerstone
3 of the success of both Richmond Telephone and Richmond
4 Networks.

5 By saying that its employees are there to help
6 consumers and to offer a competitive solution for the
7 telecommunication needs of Berkshire County, the company has
8 found success and customers.

9 In fact, less than five months after it was
10 launched, the Richmond Networks customer base has grown
11 well-beyond initial project, and expansion plans are already
12 underway.

13 Currently Richmond Networks leases telephone lines
14 from Bell Atlantic to provide its services on a resale
15 basis. In other words, Richmond Networks no longer -- plans
16 are now in the works to move from this arrangement to a
17 facilities based company.

18 In other words, Richmond Networks will no longer
19 lease lines from Bell Atlantic, but will have its own
20 facilities and thus more control over services and pricing.

21 Knowing the local customer base and its needs has
22 served Richmond Networks well. For example, when the
23 company was formally launched in January, Richmond involved
24 several different local and regional officials in its
25 ribbon-cutting ceremony and open house.

1 Not only did that immediately bring key business
2 leaders on board right away, but it also brought the company
3 significant media coverage in both the local and national
4 press, including articles by the Associated Press, the New
5 York Times and the Boston Globe.

6 Tiny, little local economic development seen was
7 the decision to open the company's office in Downtown
8 Pittsfield, which is in the midst of a business
9 redevelopment push.

10 The decision to establish a presence in Downtown
11 Pittsfield was made jointly after discussions with the
12 Pittsfield Mayor and the Economic Development Council. The
13 decision was centered around the revitalization efforts of
14 the city and the fact that Pittsfield is a central point for
15 all of Berkshire County.

16 As a local company with significant growth plans
17 and job creation possibilities, Richmond Networks was
18 embraced by local officials as an example of the economic
19 development opportunities that exist right in the local
20 community.

21 As Richmond expands footprint into Berkshire
22 County, it is discovering a more sophisticated consumer
23 base. More and more customers are using telephone lines,
24 fax, modems and computers to operate in their daily lives.

25 Services that used to be considered exclusive are